South Dakota Weekly Crop Weather Report

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National Agricultural Statistics Service
South Dakota Field Office
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Cooperating with:
SOUTH DAKOTA STATE UNIVERSITY
AGRICULTURAL EXTENSION SERVICE and
U.S. DEPARTMENT OF AGRICULTURE
FARM SERVICE AGENCY

AGRICULTURAL SUMMARY

Weather conditions helped to facilitate the drying of South Dakota fields this past week allowing an acceleration of fieldwork and crop progress. There were 3.2 days suitable for fieldwork in the past week. Farm activities focused on application of fertilizer, seeding of small grain, calving and lambing activities, and general care of livestock.

This report is based on information from county extension educators, Farm Service Agency county directors, and other reporters across the state.

WEATHER INFORMATION

Some spring-like weather finally spread over the whole state improving conditions for fieldwork during the week, according to the State Climate Office of South Dakota. Little precipitation occurred during the week across the state. A large portion of south central to northeast South Dakota received no precipitation during the week. Most areas that reported precipitation in the northeast quarter of the state and the far southeast were quite modest, only up to a couple tenths. There were a couple locations that did receive over four tenths during the week.

With the lack of precipitation, warmer than average temperatures, and windy conditions for most of the week, there was a good amount of surface drying. Soil temperatures also rebounded everywhere, moving well into the 40s over the whole state by the weekend.

The lack of precipitation was helpful for soil temperature recovery, but not so much for precipitation deficits. Note the precipitation deviations in the short term and long term. Nearly the whole state is below average precipitation for April. Longer term deficits continue throughout much of the western part of the state, particularly the northwest, where deficits range to over two inches since October 1.

SOIL CONDITION

Mostly dry weather, warmer temperatures and windy conditions led to dryer and increased soil temperatures across the state. The lowest four-inch soil temperature was recorded in Redfield at 39° F, and the highest was recorded in Oacoma and Pierre, at 52° F. The U.S. Drought Monitor currently rates 11.6 percent of South Dakota in severe drought conditions covering an area in the northwest corner and the extreme southwest corner of the state.

FIELD CROPS REPORT

Minimal precipitation and windy conditions across the state allowed increased progress in spring fieldwork across South Dakota. Topsoil moisture, now rated at 87 percent adequate to surplus, decreased slightly from last weeks rating of 90 percent. Subsoil moisture also decreased from last week, this week rated at 78 percent adequate to surplus, down from last weeks 80 percent. Winter wheat breaking dormancy advanced 20 percentage points from last week, now up to 92 percent. There have been a few reports of army cutworms in the winter wheat crop, while it is not yet decided if it warrants additional pesticide applications from producers. Winter wheat conditions are now rated at 64 percent good to excellent, compared to 58 percent last week. Barley, oats, and spring wheat seedings made significant progress from last week, now estimated at 17 percent, 31 percent, and 34 percent, respectively.

LIVESTOCK, PASTURE, AND RANGE REPORT

Feed supplies remain stable, this week rated at 86 percent adequate to surplus, ahead of last year's estimate at 68 percent adequate to surplus and ahead of the five-year average at 70 percent. Stock water supplies are rated at 77 percent adequate to surplus, also ahead of last year and the five-year average. Range and pasture conditions have improved slightly to 47

percent good to excellent, up two percentage points from last week. Calving has progressed to 70 percent complete, just two percentage points behind both last year and the five-year average. Calf death losses are rated at 16 percent below average, 79 percent average and 5 percent above average. Nine percent of cattle have been moved out to pasture, up four percentage points from last week. Lambing is estimated at 82 percent complete and sheep and lamb death losses are rated at 28 percent below average, 71 percent average and 1 percent above average.

Feed and Water Supplies Comparison as of April 20, 2008

us of 11p111 20, 2000										
	Fee	ed Suppl	ies	Stock Water Supplies						
Rating	This Week	Last Year	5 Yr. Avg.	This Week	Last Year	5 Yr. Avg.				
	Percent	Percent	Percent	Percent	Percent	Percent				
Very Short	1	11	11	12	13	19				
Short	13	22	19	11	15	22				
Adequate	80	66	66	66	62	55				
Surplus	6	2	4	11	9	4				

Soil Moisture Condition Comparison as of April 20, 2008

		Topsoil		Subsoil			
Rating	This Week	Last Week	Last Year	This Week	Last Week	Last Year	
	Percent	Percent	Percent	Percent	Percent	Percent	
Very Short	2	2	3	9	7	9	
Short	11	8	5	13	13	23	
Adequate	76	71	77	71	74	55	
Surplus	11	19	16	7	6	13	

Crop and Livestock Conditions as of April 20, 2008

Item	V Poor	Poor	Fair	Good	Excel	
	Percent	Percent	Percent	Percent	Percent	
Winter Wheat	2	4	30	54	10	
Cattle	0	1	14	67	18	
Sheep	0	1	12	66	21	
Range & Pasture	5	11	37	41	6	

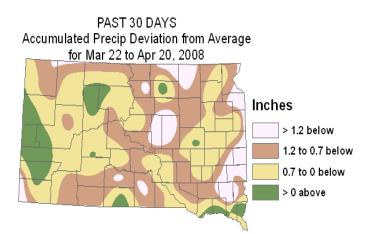
Crop Progress as of April 20, 2008 ¹

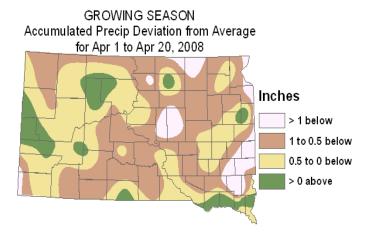
Crop Progress as of April 20, 2008								
Item	This Week	Last Week	Last Year	5-Yr Avg.				
	Percent	Percent	Percent	Percent				
Winter Wheat								
Breaking Dormancy	92	72	99	99				
Barley								
Seeded	17	7	12	37				
Emerged	1	0	1	6				
Oats								
Seeded	31	11	23	51				
Emerged	5	0	6	14				
Spring Wheat								
Seeded	34	12	24	59				
Emerged	6	0	7	16				
Corn								
Planted	1	0	1	2				

¹ Percents represent all acreage in or beyond each stage.

Average Soil Temperatures Week Ending April 20, 2008 (4-inch Depth)

mp	Location	Temp					
45	Nisland	49					
42	Oacoma	52					
40	Parkston	44					
44	Pierre	52					
45	Redfield	39					
51	South Shore	40					
	42 40 44	45 Nisland 42 Oacoma 40 Parkston 44 Pierre 45 Redfield					





TEMPERATURE, PRECIPITATION, and GROWING DEGREE DAYS Week Ending Sunday, April 20, 2008

Departure				W	eek En	ding Sunda	y, April 20), 2008				
Station Average From Normal High Low Current Since Week Oct. Apr. 1 Oct. Apr. 1 Oct. Apr. 1 Normal No		Ter	Temperatures Past Week Precipitation					Growing Degree Days				
Northwest Degrees D	And	Average		High	Low	Total					Total	Departure From Normal
Northwest S	Station		Normal	8							Sino	ce April 1
Bision		Degrees	Degrees	Degrees	Degrees	Inches	Inches	Inches	Inches	Inches		
Buffalo 52 8 8 81 17 0.12 2.14 0.54 2.96 0.66 66 Dupree 55 9 87 28 0.07 4.33 1.74 1.28 0.62 99 McIntosh 50 4 8.3 2.6 0.10 1.86 0.36 3.10 0.066 77 Nowell 49 4 82 23 0.14 3.72 0.73 3.141 0.029 84 Timber Lake 54 8 8 85 27 0.50 3.58 1.20 0.262 0.09 91 Timber Lake 54 8 8 85 27 0.50 3.58 1.20 0.262 0.09 91 Morth Central Timber Lake 54 8 8 88 0.50 0.00 4.67 0.21 1.158 0.095 70 Faulkton 50 4 82 25 0.00 4 4.29 0.40 0.245 0.055 70 Faulkton 50 4 82 25 0.00 4 4.29 0.40 0.245 0.055 70 Faulkton 50 4 82 25 0.00 4 4.29 0.40 0.245 0.055 83 Mobridge 54 8 8 88 0.00 0.11 0.318 0.40 0.210 0.061 86 Roscoe 47 0.3 87 20 0.12 5.76 1.60 0.047 0.35 61 Morthest 10 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Northwest											
Dupre	Bison	55	9	79	28	0.25	3.61	1.15	-2.39	-0.16	107	53
Medintosh So 4 83 26 0.010 1.86 0.36 3.10 0.066 77 Newell 49 4 82 23 0.14 3.72 0.73 0.14 0.29 84 Newell Timber Lake So 8 85 27 0.50 3.58 1.30 0.262 0.09 91 Newell Medintosh So 4 82 28 0.00 4.67 0.21 1.58 0.95 70 70 Faulkton So 4 82 25 0.04 4.29 0.40 0.245 0.05 88 88 Mobridge 54 8 88 30 0.11 3.18 0.40 0.210 0.61 86 Roscoe 47 3 87 20 0.12 5.76 1.60 0.47 0.35 61 Roscoe Medintosh Mobridge Medintosh Mobridge Medintosh Mobridge Medintosh Mobridge Medintosh Med	Buffalo	52		81	17	0.12	2.14	0.54	-2.96	-0.61	66	36
Newell	Dupree		9	87	28			1.74		0.62		43
Timber Lake North Central Aberdeen 47 0 7 7 8 8 8 8 8 7 7 9 8 8 8 8 8 7 9 9 9 9												26
North Central												27
Aberdeen		54	8	85	27	0.50	3.58	1.30	-2.62	0.09	91	41
Faulkton 50 4 82 25 0.04 4.29 0.40 -2.45 -0.85 83 Mobridge 54 8 88 8 30 0.11 3.18 0.40 -2.10 -0.61 86 Roscoe 47 3 87 20 0.12 5.76 1.60 -0.47 0.35 61 Northeast Britton 49 3 72 27 0.01 4.14 0.27 -1.89 0.78 58 Clear Lake 44 0 67 20 0.00 7.48 1.71 -1.12 0.26 37 Sisseton 48 2 70 28 0.00 6.46 0.84 1.71 -1.12 0.26 37 Watertown 45 1 69 21 0.00 5.56 0.69 -1.30 -0.57 51 Webster 47 3 69 26 0.00 6.31 0.73 -0.30 -0.41 44 West Central Faith 54 7 84 25 0.13 3.26 0.96 -2.61 -0.17 81 Milesville 56 8 8 99 29 0.00 3.77 0.67 -2.35 -0.47 106 Philip 56 9 90 24 0.00 4.47 0.74 -0.65 -0.33 108 Rapid City 48 3 81 25 0.01 3.77 1.31 -1.62 0.19 68 Spariish 55 9 79 29 0.40 8.62 2.21 0.60 0.69 93 Central Chamberlain 49 3 79 23 0.00 9.03 1.40 1.79 -0.06 84 Highmore 51 5 83 28 0.00 4.22 0.40 -2.68 -1.23 83 Huron 49 3 77 25 0.00 6.59 0.88 -0.51 0.59 93 0.01d 54 7 86 27 0.20 6.95 1.00 0.13 -0.12 95 Pierre 54 6 9 1 27 0.05 0.55 0.59 0.88 -0.51 0.05 93 0.01d 54 7 86 27 0.20 6.95 1.00 0.13 -0.12 95 Pierre 54 6 9 1 27 0.05 7.38 0.54 1.05 0.09 9.03 1.00 1.30 0.12 95 Pierre 54 6 9 1 27 0.05 0.05 7.38 0.54 1.05 0.09 9.09 1.01 0.12 88 Sison Madison 44 -1 73 21 0.00 6.03 0.53 0.53 0.50 0.07 101 East Central Brookings 44 -1 73 20 0.00 7.29 0.76 0.09 0.07 0.10 101 East Central Brookings 44 -1 73 20 0.00 7.29 0.76 0.09 0.07 0.10 0.10 0.10 0.10 0.10 0.10 0.10												
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Roscoc												31
Northeast	_											41
Britton Graph Stritton Graph		47	3	87	20	0.12	5.76	1.60	-0.47	0.35	61	30
Clear Lake												
Sisseton												7
Watertown Webster 45 by Mebster 47 by Mebster 48 by Mebster 49 by Mebster 48 by Mebster 49 by Mebster 40 b												13
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West Central												26
Faith		47	3	69	26	0.00	6.31	0.73	-0.30	-0.41	44	19
Milesville 56												
Philip 56												19
Rapid City												30
Spearfish Spea												27
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Brookings												36
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Oelrichs 52 5 87 22 0.00 3.78 1.00 -1.67 -0.17 96 Porcupine 52 7 88 25 0.00 3.25 0.34 -2.21 -0.82 86 South Central Kennebec 54 5 87 21 0.00 6.22 0.68 0.50 -0.59 120 Mission 49 3 85 21 0.00 7.26 1.09 1.28 -0.16 70 Murdo 52 5 88 32 0.02 7.32 0.94 0.30 -0.50 79 Winner 54 4 82 29 0.00 5.56 0.70 -2.38 -0.91 94 Southeast Armour 50 0 76 23 0.00 8.83 0.82 0.74 -0.74 95 Centerville 47 -1 77 20 0.00 9.58 1.39 1.72 -0.14 64												4
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South Central Kennebec 54 5 87 21 0.00 6.22 0.68 0.50 -0.59 120 Mission 49 3 85 21 0.00 7.26 1.09 1.28 -0.16 70 Murdo 52 5 88 32 0.02 7.32 0.94 0.30 -0.50 79 Winner 54 4 82 29 0.00 5.56 0.70 -2.38 -0.91 94 Southeast Armour 50 0 76 23 0.00 8.83 0.82 0.74 -0.74 95 Centerville 47 -1 77 20 0.00 9.58 1.39 1.72 -0.14 64												10
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Mission 49 3 85 21 0.00 7.26 1.09 1.28 -0.16 70 Murdo 52 5 88 32 0.02 7.32 0.94 0.30 -0.50 79 Winner 54 4 82 29 0.00 5.56 0.70 -2.38 -0.91 94 Southeast Armour 50 0 76 23 0.00 8.83 0.82 0.74 -0.74 95 Centerville 47 -1 77 20 0.00 9.58 1.39 1.72 -0.14 64		54	5	87	2.1	0.00	6.22	0.68	0.50	-0.59	120	18
Murdo 52 5 88 32 0.02 7.32 0.94 0.30 -0.50 79 Winner 54 4 82 29 0.00 5.56 0.70 -2.38 -0.91 94 Southeast Armour 50 0 76 23 0.00 8.83 0.82 0.74 -0.74 95 Centerville 47 -1 77 20 0.00 9.58 1.39 1.72 -0.14 64												20
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Centerville 47 -1 77 20 0.00 9.58 1.39 1.72 -0.14 64		50	0	76	23	0.00	8.83	0.82	0.74	-0.74	95	-8
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Vermillion 50 -1 78 22 0.29 10.74 1.39 2.36 -0.34 76												-43
Yankton 47 -1 79 24 0.01 12.57 2.76 4.64 1.21 71												-11